

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Salix alba*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Bark	--	--		
30	(+)-CATECHIN	Leaf	--	--		
7	(+)-GALLOCATECHIN	Leaf	--	--		
3	4-O-METHYL-GLUCURONOXYLAN	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	ALUMINUM	Bark	11	67	-0.5550396921739252	
18	AMENTOFLAVONE	Leaf	--	120	1	
101	APIGENIN	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
101	APIGENIN	Leaf	--	--		
112	ASCORBIC-ACID	Bark	11	68	-0.7590997797668324	
7	ASTRAGALIN	Pollen Or Spore	--	--		
53	BETA-CAROTENE	Bark	--	--		
28	CALCIUM	Bark	2369	14100	-0.4370254958547531	
43	CATECHIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CELLULOSE	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
24	CHROMIUM	Bark	--	--	-0.5811206277170047	
2	COBALT	Bark	1.6	9.8	-0.24303337741471084	
7	CYANIDIN	Leaf	--	--		
9	DELPHINIDIN	Leaf	--	--		
15	FIBER	Bark	94000	94000	-0.9117907632310781	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	GALACTOSE	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	GLUCOMANNAN	Bark	13440	80000		
3	GLUCOMANNAN	Wood	--	--		
7	GLUCOSE	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Bark	3.5	21	-0.8131913600294701	
22	ISOQUERCITRIN	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
22	ISOQUERCITRIN	Leaf	--	--		
13	LIGNIN	Wood	255000	255000	-0.5502487987707242	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Bark	941	5600	2.6254909693205843	
14	MANGANESE	Bark	1	6.6	-0.6324201124151596	
39	NIACIN	Bark	17	99	0.5371806517826718	
25	P-COUMARIC-ACID	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
24	PECTIN	Bark	--	--		
4	PHOSPHORUS	Bark	689	4100	2.414322016750521	
14	POTASSIUM	Bark	1651	9830	0.8279428053160491	
176	QUERCETIN	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	QUERCIMERITRIN	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	QUERCIMERITRIN	Pollen Or Spore	--	--		
15	RIBOFLAVIN	Bark	0.3	1.7	-0.4728416245792071	
87	RUTIN	Leaf	--	--		
87	RUTIN	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	SALICIN	Bark	4200	110000		
15	SALICIN	Leaf	--	0.09		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SALICORTIN	Bark	--	--		
1	SALICORTIN	Leaf	--	0.27		
34	SALICYLIC-ACID	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
1	SALIDROSIDE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
60	SELENIUM	Bark	0.2	1.1	-0.4642594780283318	
4	SILICON	Bark	0.5	2.9	-0.5225882245845488	
1	SODIUM	Bark	20	120	-0.36966930405886916	
5	STARCH	Bark	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
35	TANNIN	Bark	20160	120000	-0.18444943107840175	
31	THIAMIN	Bark	--	--	-0.6585046078685182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	TIN	Bark	2	12	-0.08992933794464256	
2	TRIANDRIN	Bark	--	--		
2	TRIANDRIN	Leaf	--	0.09		
2	TRIANDRIN	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	XYLOSE	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	ZINC	Bark	0.4	2.1	-1.0319449224659927	